

MATERIAL SAFETY DATA SHEET

NPCA 1-72

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP. 12-9-76

Section I

DMS 2112 Ty II, CLASS II

MANUFACTURER'S NAME U.S. Paint Division

Grow Group, Incorporated

CATALYST

STREET ADDRESS 831 S. 21st Street

CITY, STATE, AND ZIP CODE St. Louis, Mo. 63103

EMERGENCY TELEPHONE NO. (314) 621-0525

USE WITH
Ty. II, CLASS II ONLY

PRODUCT CLASS Polyisocyanate Resin

MANUFACTURERS CODE IDENTIFICATION 92-C-22B

TRADE NAME ALUMIGRIP^{-R-} Catalyst

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	Volume PERCENT	TLV		LEL	VAPOR PRESSURE in mm Hg 20°C
		PPM	mg/M ³		
Ethyl Acetate	55.0	400	1440	2.2	76.0
Toluene	10.0	100	375	1.27	38.0
Xylene	5.0	100	435	1.1	9.5
2-Ethoxy Ethyl Acetate	5.0	100	540	1.7	1.2
Biuret of 1,6 Hexamethylene Diisocyanate	25.0	NOT	ESTABLISHED		

Section III - PHYSICAL DATA

BOILING RANGE 167 to 329°F.

VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER

PERCENT VOLATILE
BY VOLUME

75.0 WEIGHT PER
GALLON

7.88

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Combustible Liquid 100° - 200° F ☐ FLASH POINT 39.0°F. T.C.C.

LEL 1.1

Flammable Liquid 20° - 100° F ☒

EXTINGUISHING MEDIA Non Flammable ☐

Dry chemical or foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Do not expose to spark or open flame

SPECIAL FIRE FIGHTING PROCEDURES

Personnel who are fighting isocyanate fires should wear self-contained breathing apparatus.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 100 to 400 PPM

EFFECTS OF OVEREXPOSURE Eye & upper respiratory irritant

EMERGENCY AND FIRST AID PROCEDURES If exposed to excess vapor, remove to fresh air and seek medical attention. If splashed on skin or in eyes, flush with large amounts of water and seek immediate medical attention.

Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID Excess heat and/or oxidizing

INCOMPATIBILITY (Materials to avoid) Avoid contact with water, alcohol materials.

HAZARDOUS DECOMPOSITION PRODUCTS amines, and other compounds
which react with isocyanates.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Affected area should be treated with an absorbing compound and then material placed in a tightly closed container.

WASTE DISPOSAL METHOD In accordance with local, state, and federal environmental control regulations

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Bureau of Mines approved mask for removal of particulate matter and charcoal base for removal of solvent vapor.

VENTILATION Sufficient to keep air supply above threshold limit values.

PROTECTIVE GLOVES Rubber or Plastic

EYE PROTECTION Goggles

OTHER PROTECTIVE EQUIPMENT Hypersensitive persons should use protective creams.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from heat, sparks and flames.

OTHER PRECAUTIONS

NOTE: This product does not intentionally contain added ingredients which are based on compounds of Antimony, Arsenic, Cadmium, Lead, Mercury, Selenium, or Water Soluble Barium.